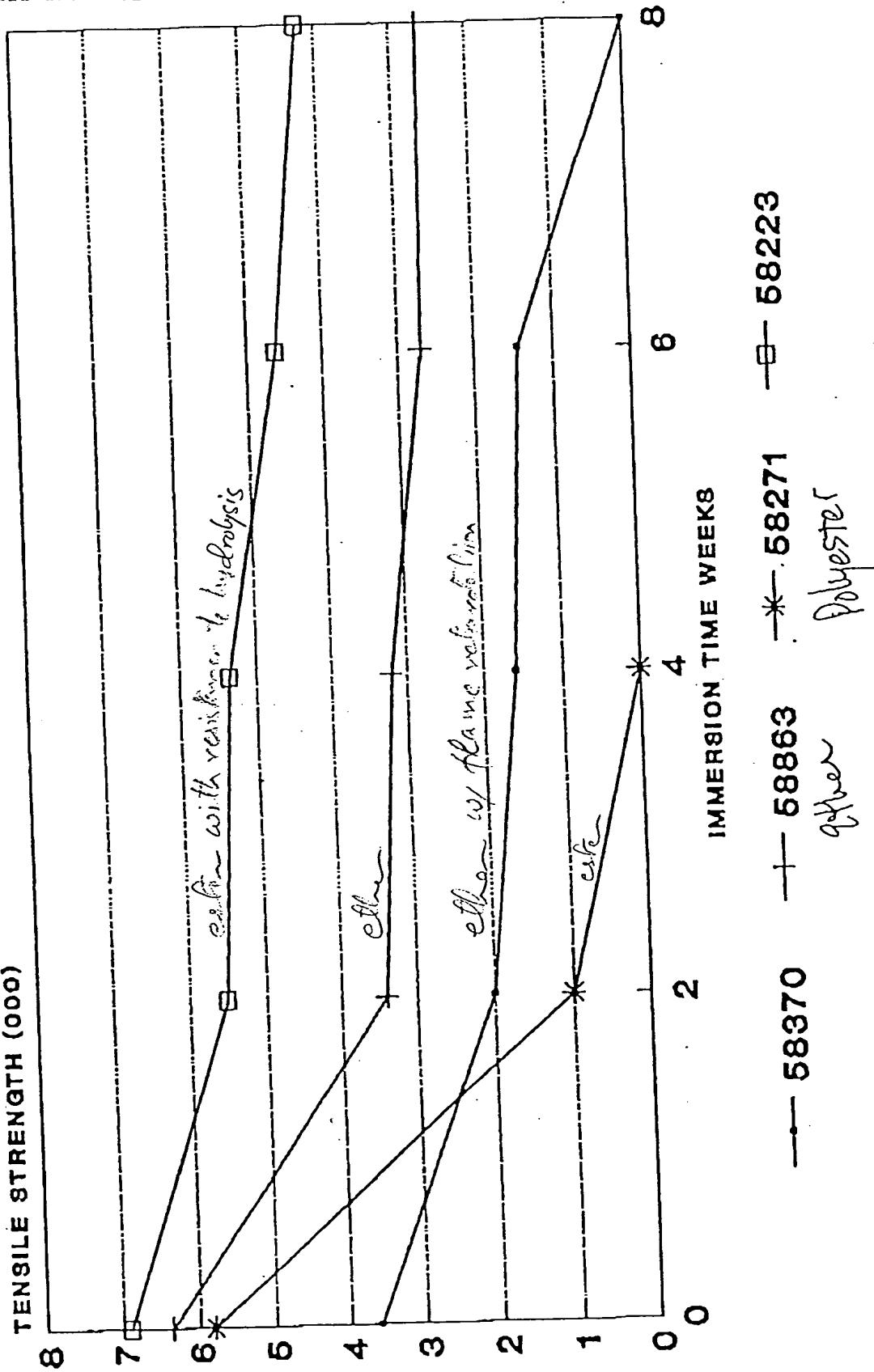


FIGURE 982200

# ESTANE HYDROLYTIC STABILITY TESTING

## TENSILE STRENGTH



F1 G22-005

# ESTANE HYDROLYTIC STABILITY TESTING

## ELONGATION

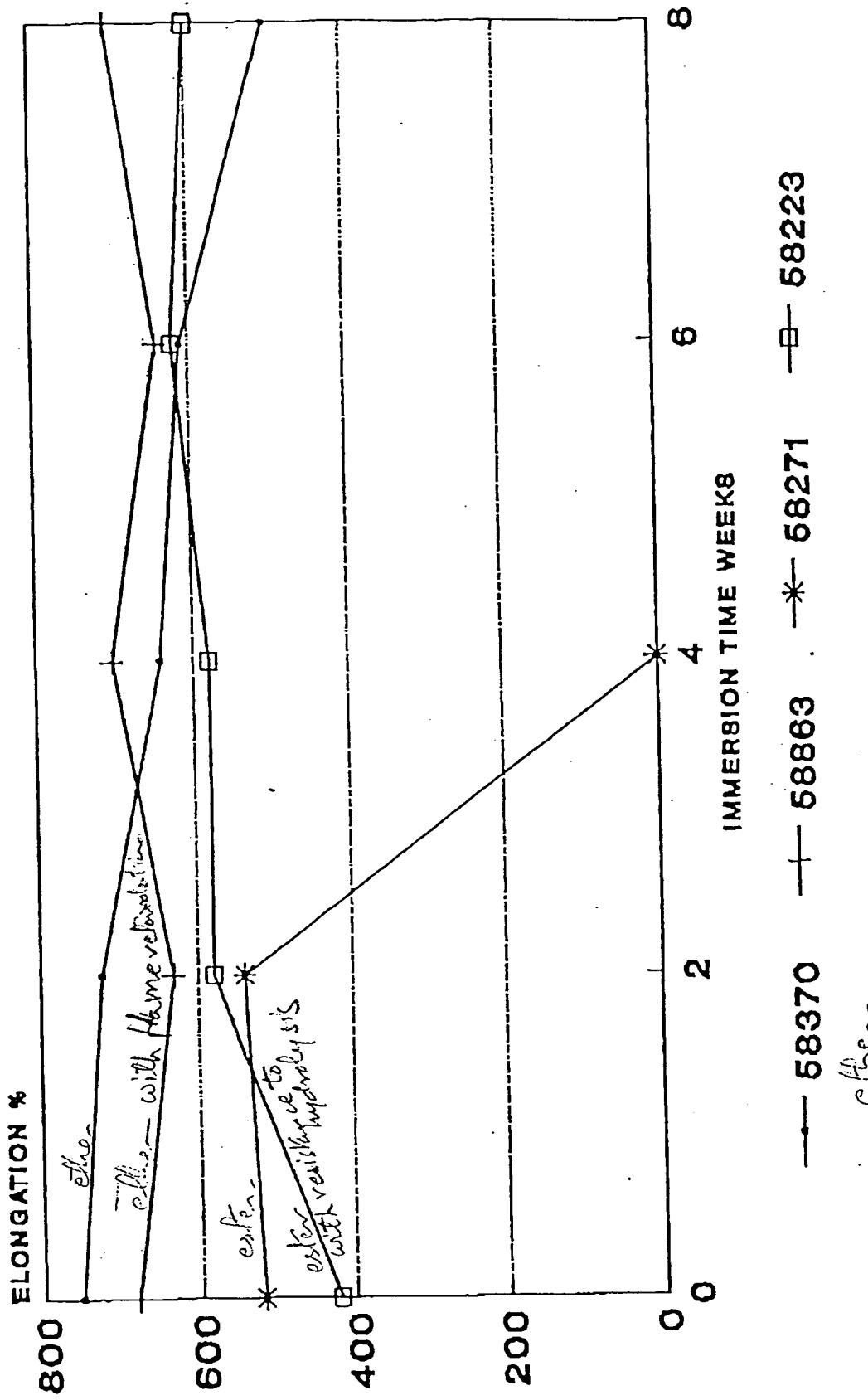
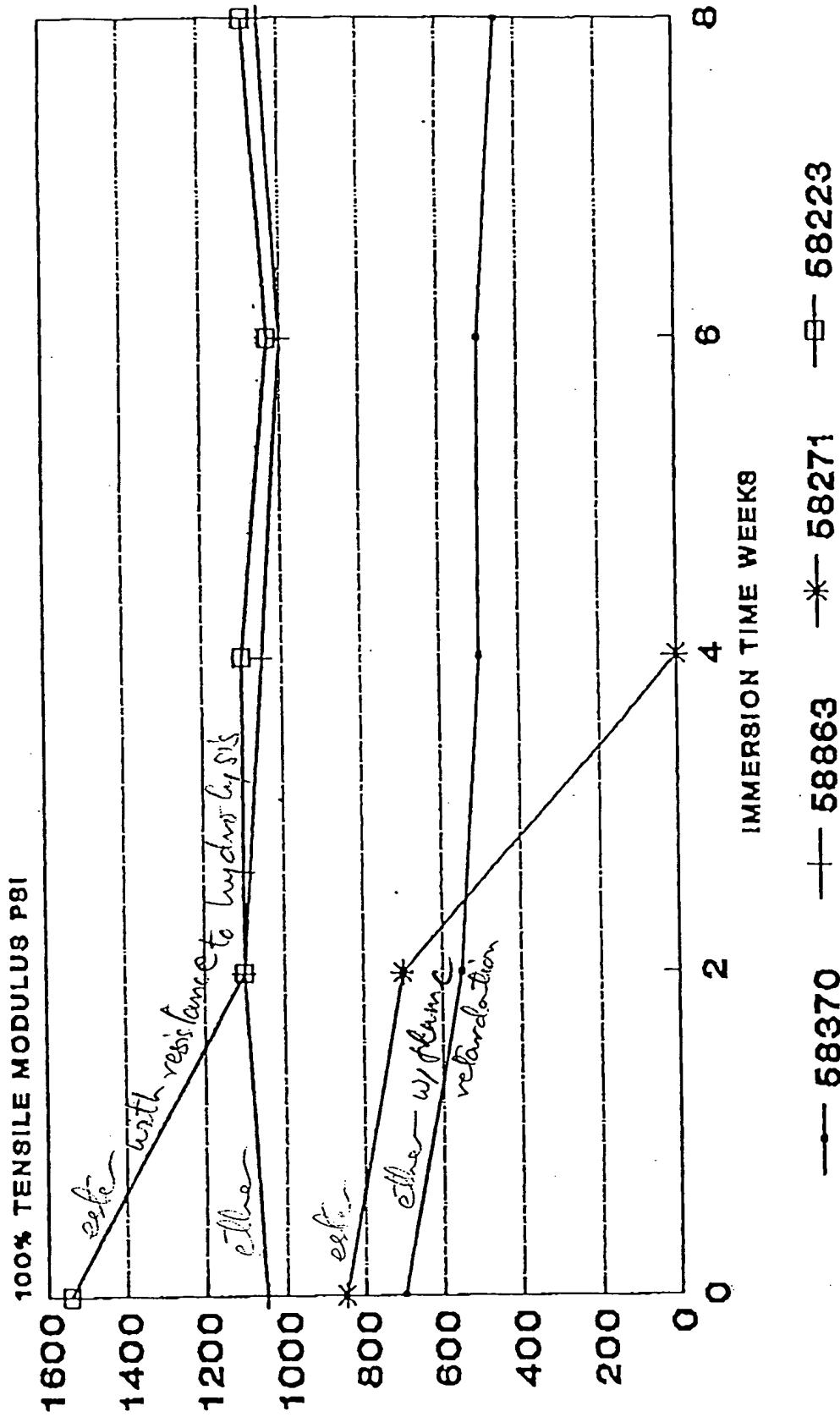


FIG 3 Test Specimen

ESTANE HYDROLYTIC STABILITY TESTING  
100% TENSILE MODULUS



ARRHENIUS PLOT OF HYDROLYTIC  
STABILITY FOR ESTANE®5701  
POLYESTER RESIN

10000

1000

100

10

1

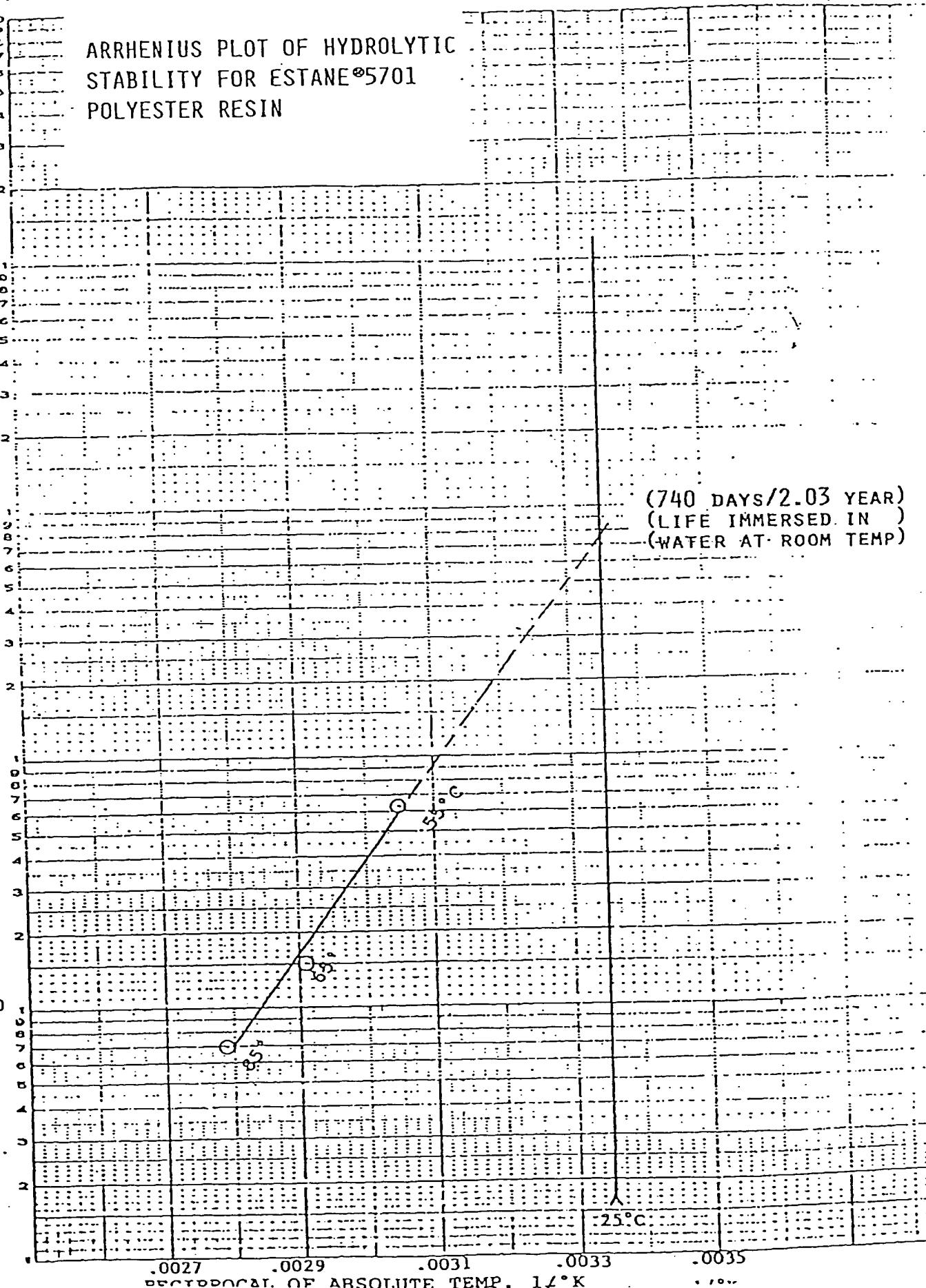
Tensile Strength (kg/cm²), Decay Factor

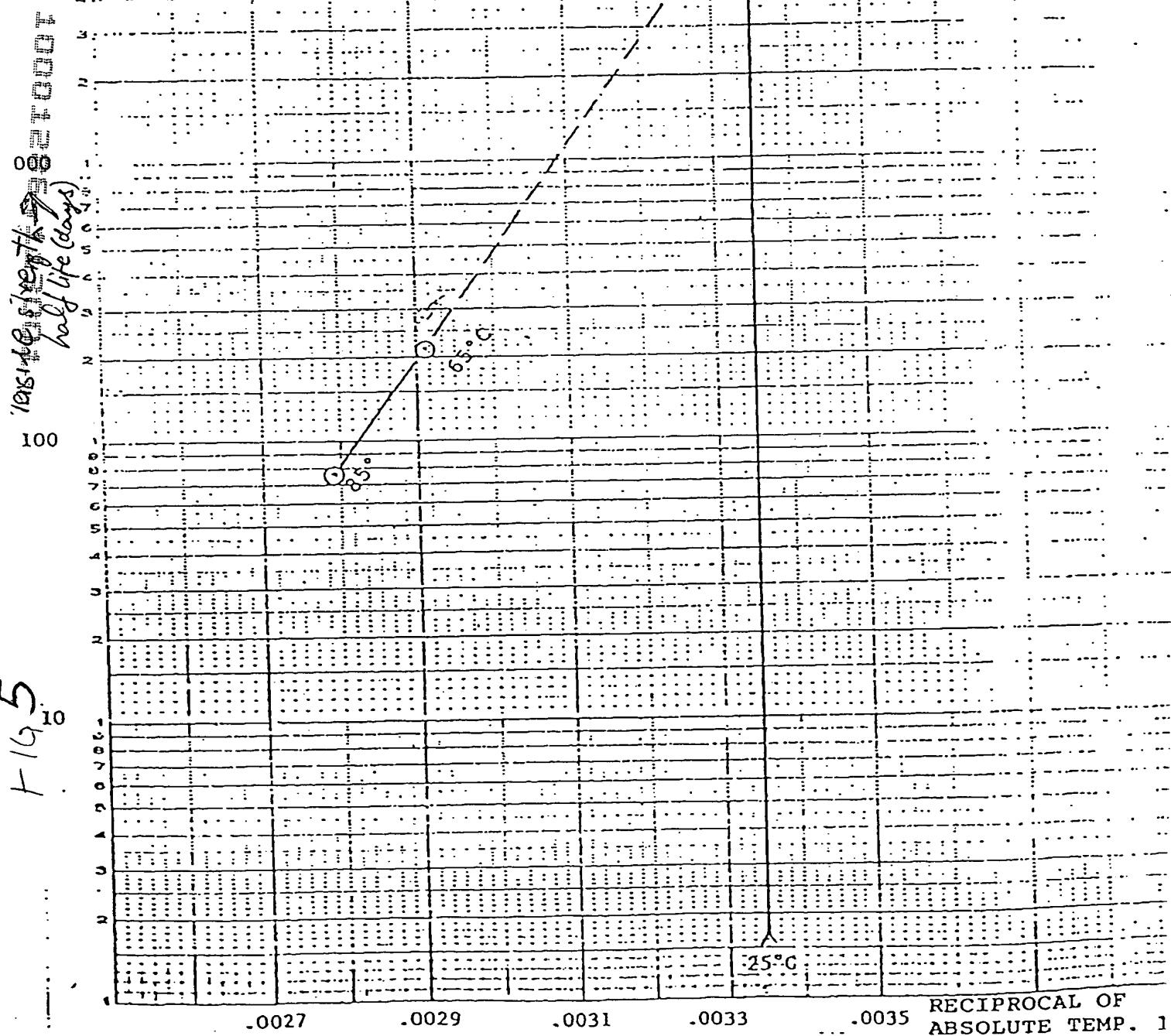
(740 DAYS/2.03 YEAR)  
(LIFE IMMERSED IN )  
(WATER AT ROOM TEMP)

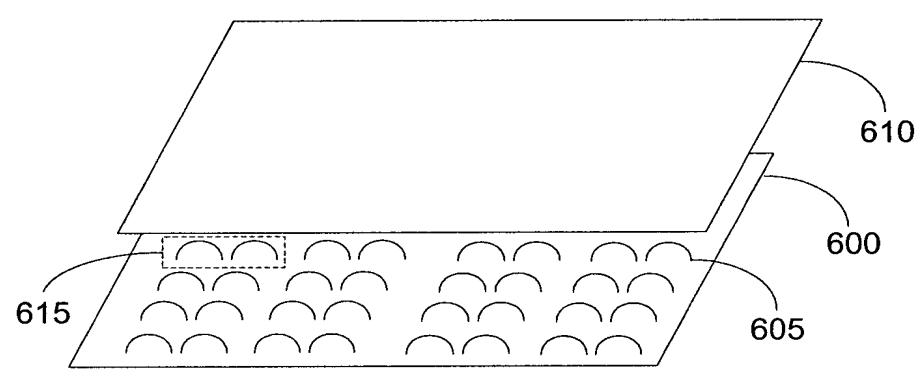
RECIPROCAL OF ABSOLUTE TEMP. 1/T °K

25 °C

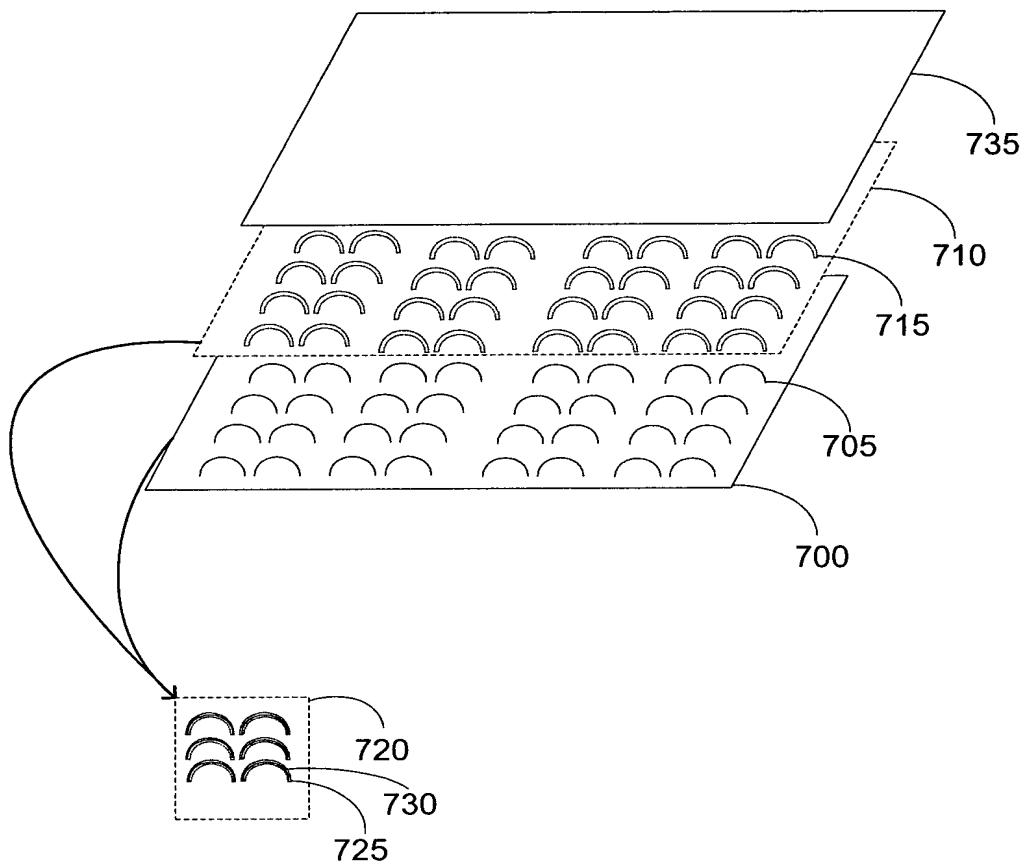
FIG 4



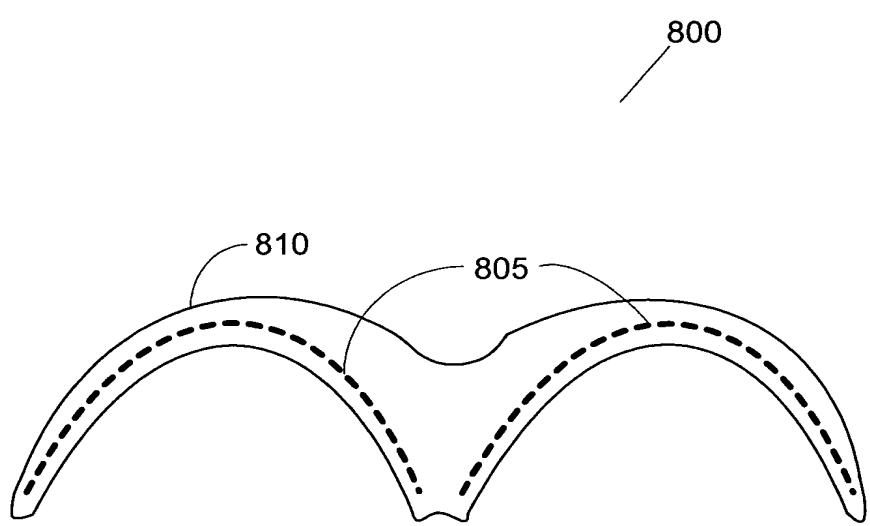
ARRHENIUS PLOT OF HYDROLYTIC  
STABILITY FOR ESTANE®5714  
POLYETHER RESIN(9700 DAYS/26.6 YEAR)  
(LIFE IMMERSED IN  
WATER AT ROOM TEMP.)



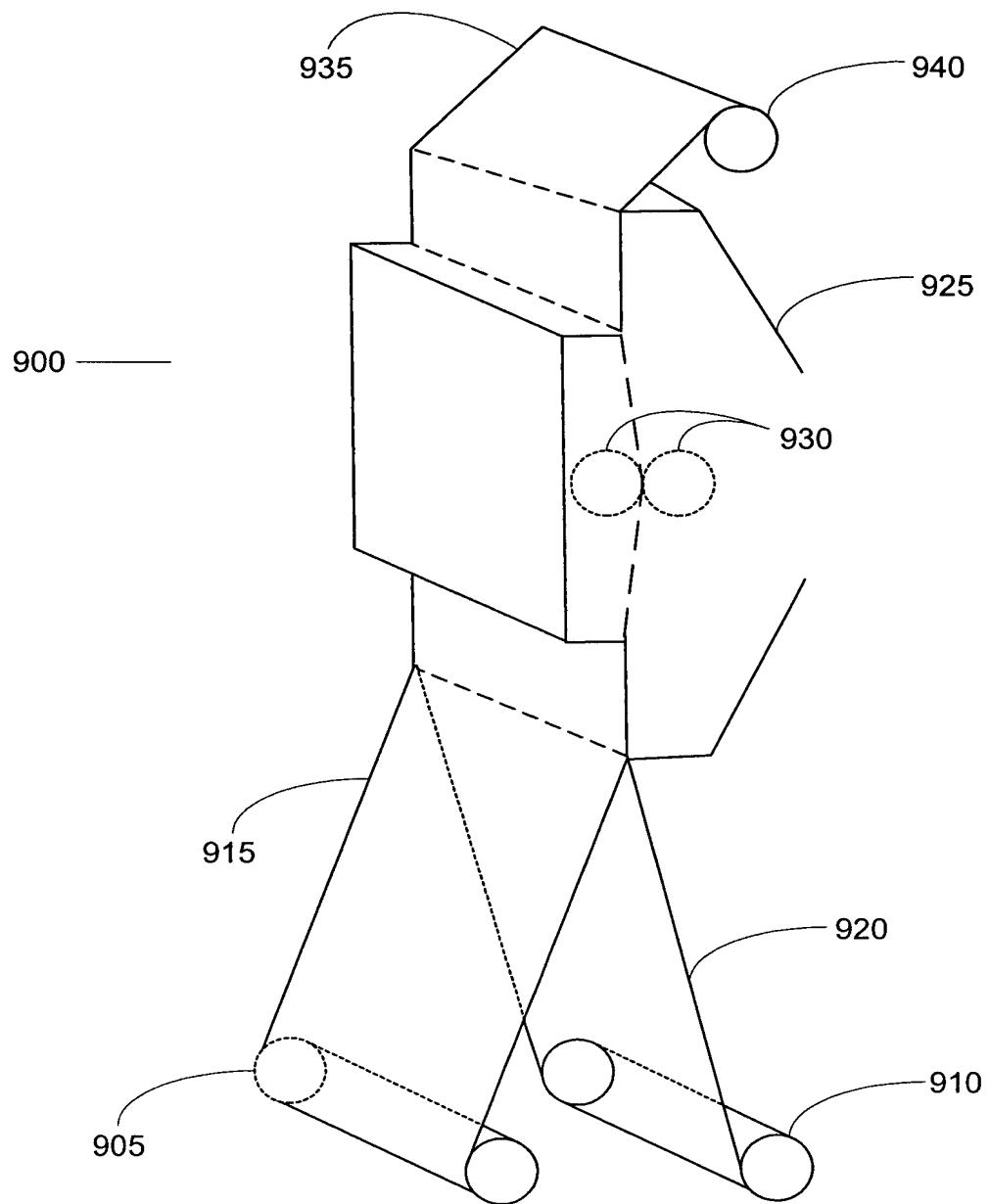
**FIGURE 6**



**FIGURE 7**



**FIGURE 8**



## FIGURE 9

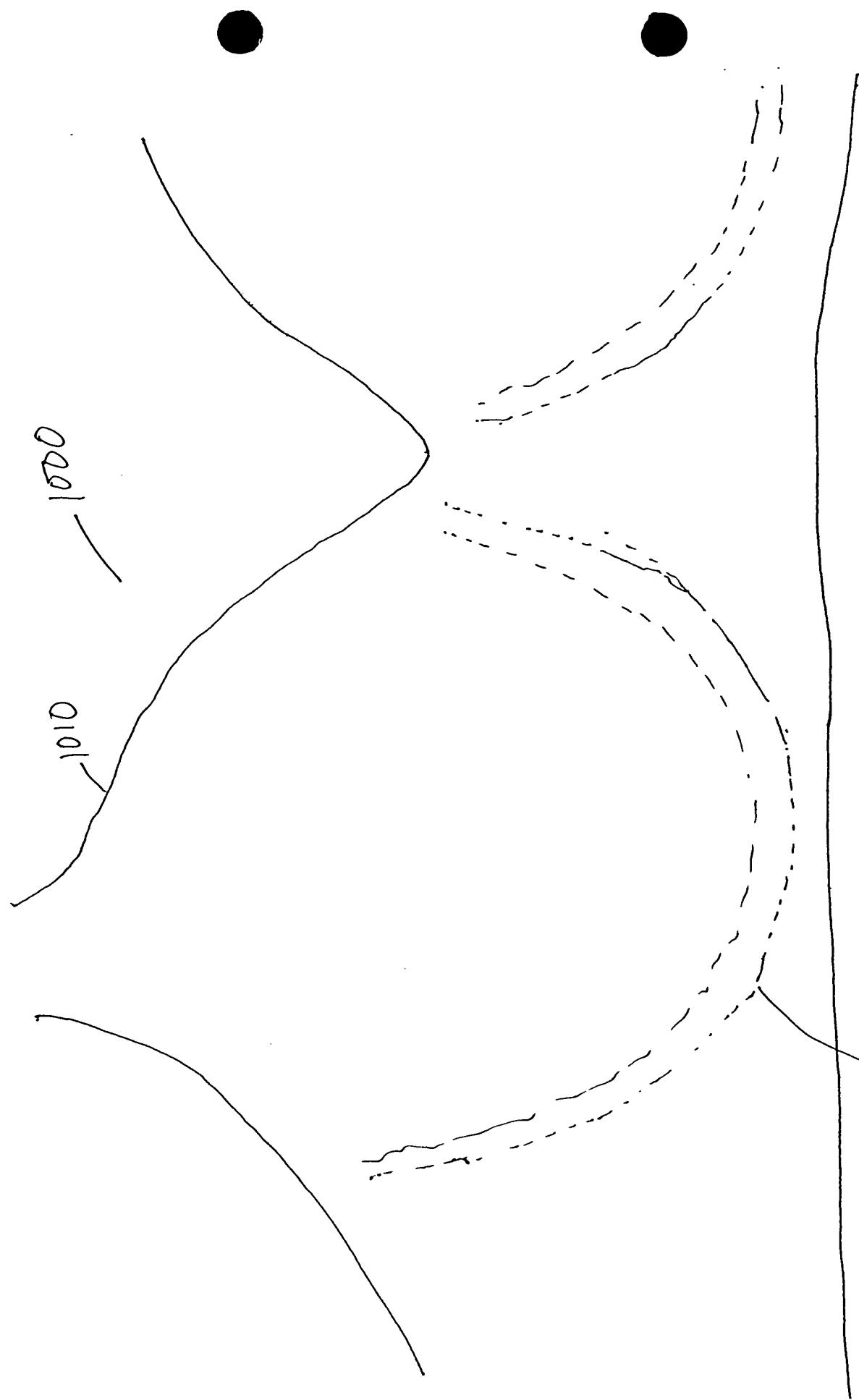
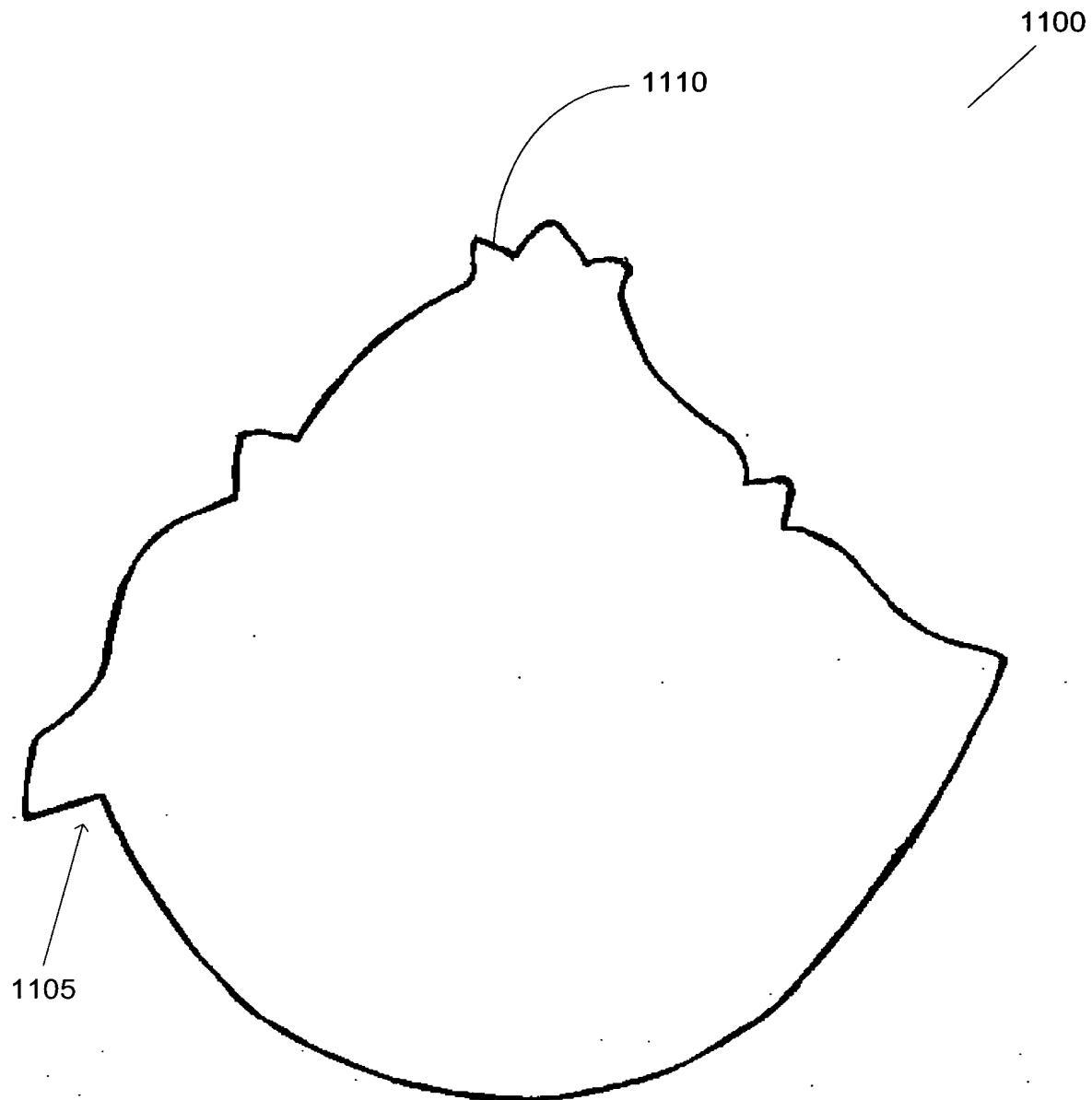


FIGURE 10

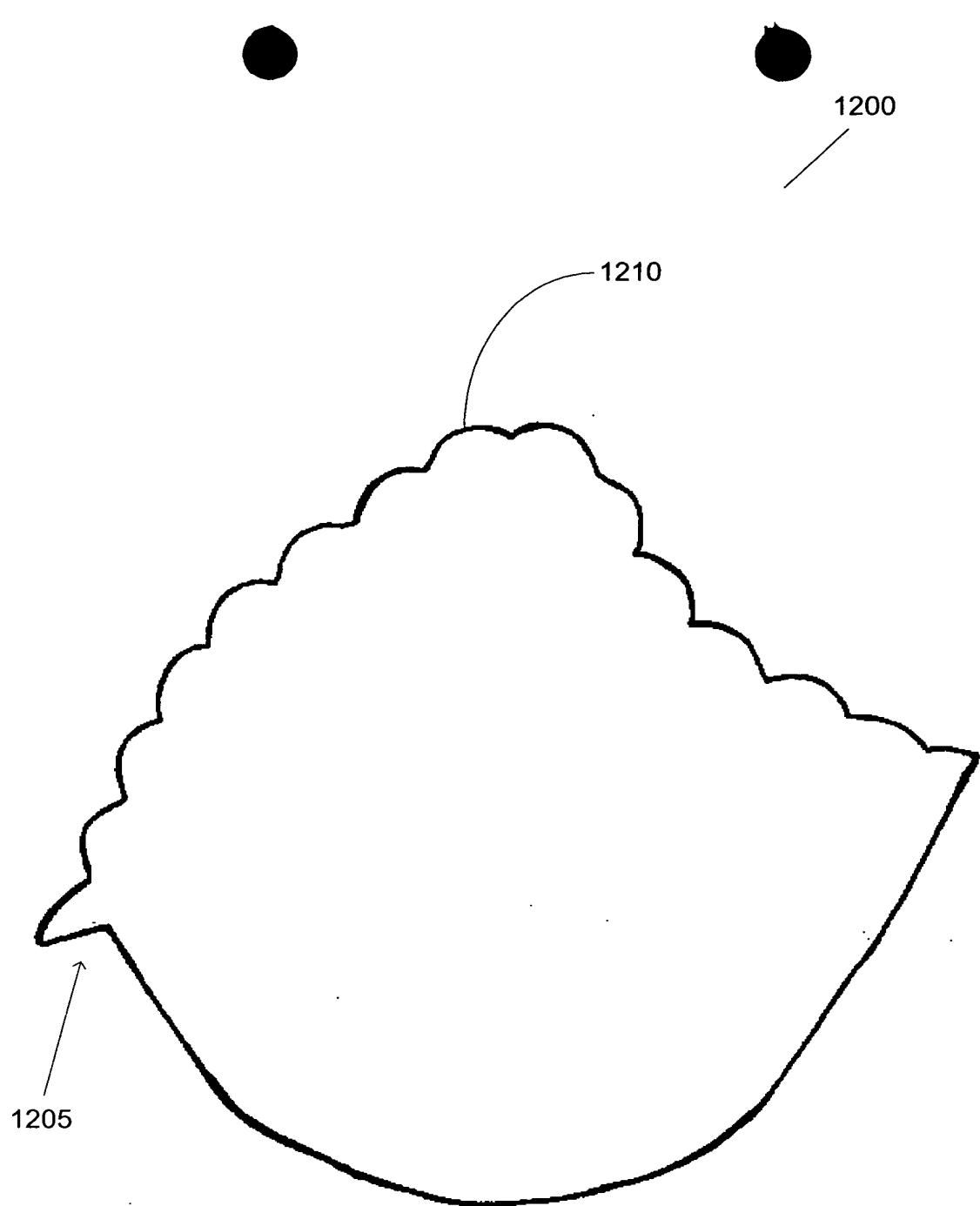
1005

1000 999 998 997 996 995

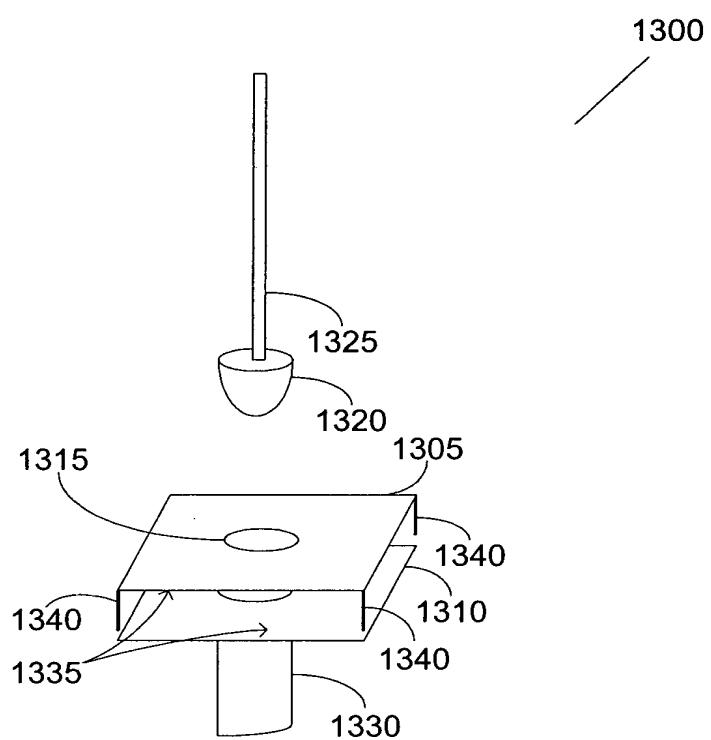


**FIGURE 11**

1200 1205 1210

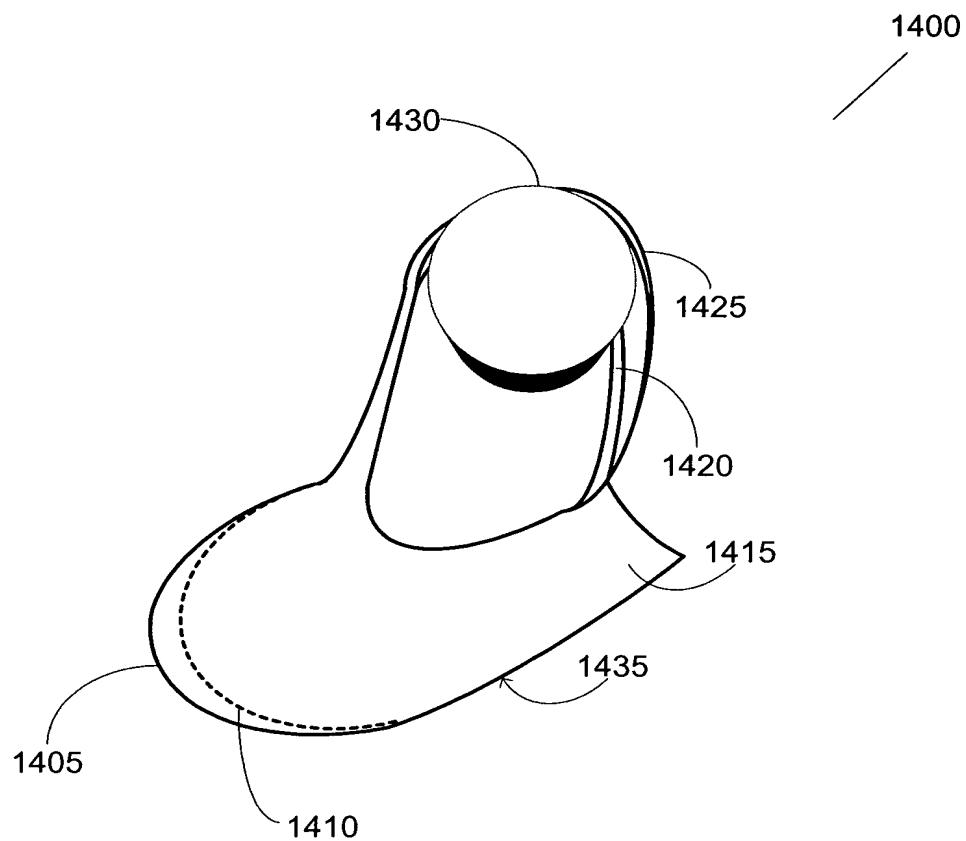


**FIGURE 12**



**FIGURE 13**

1400  
1405  
1410  
1415  
1420  
1425  
1430  
1435



**FIGURE 14**